

NATIONAL CADET CORPS (N.C.C) – (CODE: 076)

Class XI (2022-23) Max Marks - 70

Common Subjects

Unit-1 : The NCC <ul style="list-style-type: none">• Aims and Objectives of NCC• Organization and Training and NCC Song• Incentives
Unit-2 : National Integration and Awareness <ul style="list-style-type: none">• National Integration: Importance and Necessity• Freedom Struggle and Nationalist Movement in India
Unit-3 : Drill <ul style="list-style-type: none">• Foot Drill• Arm Drill
Unit-4 : Weapon Training <ul style="list-style-type: none">• Characteristics of a rifle and its ammunition• Stripping, assembling, care and cleaning of .22 Rifle• Loading, cocking and unloading• Different positions for holding and aiming
Unit-5 : Personality Development and Leadership <ul style="list-style-type: none">• Introduction to Personality development• Communication skills• Leadership traits• Time management
Unit-6 : Disaster Management and Civil Affairs <ul style="list-style-type: none">• Types of Emergencies and Natural Disasters• Assistance during natural and other calamities: Floods, Cyclones, Earthquakes, Accidents
Unit-7 : Social Awareness Community Development <ul style="list-style-type: none">• Basics of Social Service and its needs• Contribution of youth towards social welfare• Civic responsibilities
Unit-8: Health and Hygiene <ul style="list-style-type: none">• Hygiene and sanitation• Infectious and contagious diseases and its prevention
Unit-9 : Adventure and Obstacle Training <ul style="list-style-type: none">• Obstacle training
Unit-10 : Environment Awareness and Conservation <ul style="list-style-type: none">• Natural resources – conservation and management• Water conservation and rain water harvesting

Specialized Subject (Army)

<p>Unit 1: Armed Forces Aim: To acquaint cadets with the Armed Forces Scope: Introductory and general information about the Armed Forces</p> <ul style="list-style-type: none">• Basic organization of Armed Forces• Organization of the Army
<p>Unit 2: Map Reading Aim: To teach cadets elementary map reading Scope: Basic understanding of map sheets and map reading instruments and development of capability to use them to carry out simple map reading</p> <ul style="list-style-type: none">• Introduction to types of Maps and conventional signs• Scales and grid system• Topographical forms and technical terms• Types of bearings and use of service protractor• Prismatic compass and its use and GPS
<p>Unit -3 Field Craft and Battle Craft Aim: To teach cadets elementary field craft and battle craft Scope: Basic field craft and battle craft</p> <ul style="list-style-type: none">• Judging distance• Description of ground
<p>Unit-6 : Communication Aim: To introduce cadets to the latest trends in the field of communications Scope: Types of communications and future trends</p> <ul style="list-style-type: none">• Types of communication• Characteristics of wireless technology (mobile, Wi-Fi etc.)
<p>Unit-5 : Military History Aim: To provide knowledge of renowned Military Generals, PVCs and Indo-Pak Wars Scope: Introduction to biographies, famous Indian battles and gallantry awards</p> <ul style="list-style-type: none">• Biographies of renowned generals (Carriappa/Manekshaw)
<p>Unit-6 : Communication Aim: To introduce cadets to the latest trends in the field of communications Scope: Types of communications and future trends</p> <ul style="list-style-type: none">• Types of communication• Characteristics of wireless technology (mobile, Wi-Fi etc.)

Specialized Subject (Navy)

<p>Unit-1: Naval Orientation and service subjects Aim: To impart basic knowledge about Navy Scope: Basic knowledge, history, current organization and role of different branches</p> <ul style="list-style-type: none">• History of the Navy – pre and post-independence, gallantry award winners• Organization of the Navy, NHQ, commands and fleets• Types of War ships and role• Rank of officers and sailors and their equivalent in other services
<p>Unit-2 : Naval Communication Aim: To impart basic knowledge about naval communication Scope: To impart basic knowledge about naval communication, semaphore and wearing of flags</p> <ul style="list-style-type: none">• Introduction to modern naval communication, purpose and principles

<p>Unit-3: Seamanship Aim: To impart basic knowledge about navigation Scope: Basic navigation tactics and methods</p> <ul style="list-style-type: none"> • Parts of Anchor, cable and its identification •
<p>Unit-4 : Rigging Aim: To impart basic knowledge about ropes, rigging and shackles Scope: Basic rope work and introduction to ropes, bends and hitches</p> <ul style="list-style-type: none"> • Types of ropes and breaking strength – stowing, maintenance and securing • Practical bends and hitches
<p>Unit-5 : Boat Work Aim: To impart basic knowledge about boats and its parts and steering of boats Scope: Introduction to boats and its parts including steering of boats and boat pulling</p> <ul style="list-style-type: none"> • Parts of a boat and parts of an oar • Instructions on boat pulling
<p>Unit-6 : Ship and Boat Modeling Aim: To impart basic knowledge about ship modelling to the cadets Scope: To impart basic knowledge about ship construction and boat modelling</p> <ul style="list-style-type: none"> • Principles of Ship Modelling
<p>Unit-7 : Search and Rescue Aim: To impart basic knowledge about search and rescue Scope: To impart knowledge about SAR organization and role of Coast Guard</p> <ul style="list-style-type: none"> • SAR Organization in the Indian Ocean

Specialized Subject (Air Force)

<p>Unit-1: General Service Knowledge Aim: To impart basic knowledge of IAF Scope: History and Organization of IAF</p> <ul style="list-style-type: none"> • Development of Aviation • History of IAF
<p>Unit-2 : Principles of Flight Aim: To introduce principles of flight Scope: To impart knowledge about basic principles on which aviation is based</p> <ul style="list-style-type: none"> • Laws of Motion • Glossary of Terms
<p>Unit-3 : Airmanship Aim: To introduce the concept of airmanship Score: Airfield layout, Rules of the air, ATC procedures and basics of aviation medicine</p> <ul style="list-style-type: none"> • Airfield Layout • Rules of the Air • Circuit Procedure
<p>Unit-4 : Aero Engines Aim: To introduce basic knowledge of aero engines Scope: Introduction to aero engines</p>
<p>Unit-5 : Air frames Aim: To introduce basic structure of an aircraft Scope: Introduction to various aircraft controls and landing gear</p> <ul style="list-style-type: none"> • Aircraft Controls • Landing Gear

Unit-6 : Instruments

Aim: To provide knowledge of aircraft instruments

Scope: To teach basics about flight instruments

- Basic flight instruments

Unit 7:AircraftParticulars

Aim: To provide knowledge of aircraft Instruments

Scope: Knowledge about the aircraft to be flown including checks and procedures

- Aircraft particular type specific

Unit-8 : Aero-modeling

Aim: To provide knowledge about aero modelling

Scope: History of aero modelling, materials used in different types of models

- History of Aero-modelling
- Types of aero-models